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ABSTRACT OF THE INVENTION

An electrodeionization apparatus comprising multiple anion exchange membranes 13 and cation exchange membranes 14 that are alternately arranged between a cathode 12 and an anode 11 to alternately form concentrating compartments 15 and desalting compartments 16 is described. The concentrating compartments 15 and the
10 desalting compartments 16 are filled with ion exchangers, and the filling ratio of anion exchanger to cation exchanger of the ion exchanger in the concentrating compartments 15 is higher than that of the ion exchanger in the desalting compartments 16.

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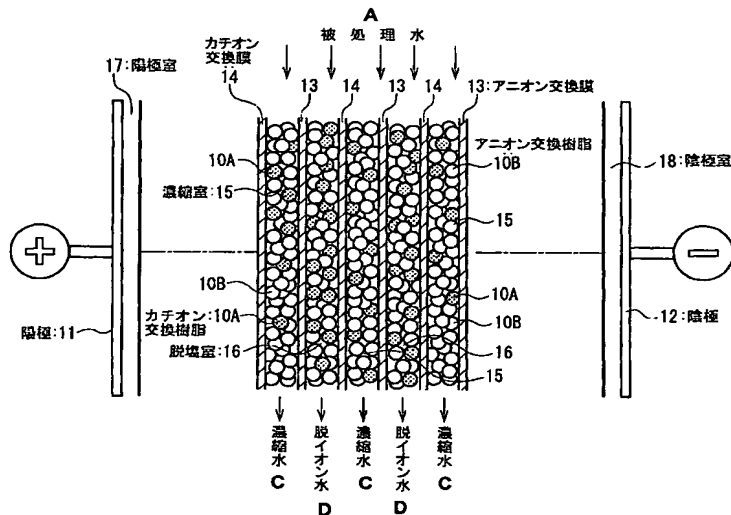
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(54) Title: ELECTRODEIONIZATION APPARATUS

(54) 発明の名称: 電気脱イオン装置



(57) **Abstract:** An electrodeionization apparatus comprising multiple anion exchange membranes (13) and cation exchange membranes (14) that are alternately arranged between a cathode (12) and an anode (11) to alternately form concentrating compartments (15) and desalting compartments (16) is described. The concentrating compartments (15) and the desalting compartments (16) are filled with ion exchangers, and the filling ratio of anion exchanger to cation exchanger of the ion exchanger in the concentrating compartments (15) is higher than that of the ion exchanger in the desalting compartments (16).

A...WATER TO BE TREATED
14...CATION EXCHANGE MEMBRANE
17...ANODE COMPARTMENT
11...ANODE
15...CONCENTRATING COMPARTMENT
10A...CATION EXCHANGE RESIN
16...DESALTING COMPARTMENT
13...ANION EXCHANGE MEMBRANE
10B...ANION EXCHANGE RESIN
18...CATHODE COMPARTMENT
12...CATHODE
C...CONCENTRATED WATER
D...DEIONIZED WATER

[続葉有]